

Typhoon (TY) 13W (Jelewat*)

First Poor : None

First Fair : 2200Z 31 Jul 00

First TCFA : 2330Z 31 Jul 00

First Warning : 0000Z 01 Aug 00

Last Warning : 0600Z 11 Aug 00

Max Intensity : 125 kts, Gusts to 150 kts

Landfall : 1200Z 10 July 00 over China

Total Warnings : 42

Remarks:

- (1) TY 13W was the 8th named system in the western North Pacific.
- (2) TY 13W intensified from 55 knots at 1200Z on August 1 to 115 knots in 18 hours. The system reached its peak intensity of 125 knots on August 3 with a round 3 nm eye.
- (3) As the system slowly weakened, the eye diameter grew to near 20 nm in diameter. TY 13W experienced a concentric eyewall cycle near 1200Z on August 5th. Afterward, the diameter of the eye increased to 90 nm and could be easily seen in both visible and infrared imagery.
- (4) TY 13W tracked very close to Minamidaito-jima, Japan, about 180 nm east of Okinawa. The minimum sea level pressure observed was 958.9 mb at 0720Z 06 August, with a recorded peak gust of 119.5 knots.
- (5) TY 13W then brushed the northern tip of Okinawa. Observed surface winds peaked with a gust of 68 knots at Kadena Air Base.
- (6) TY 13W subsequently made landfall in China's Zhejiang province. The China Meteorological Administration estimated damages in the province and Shanghai at \$28 million.

* Name assigned by RSMC Tokyo

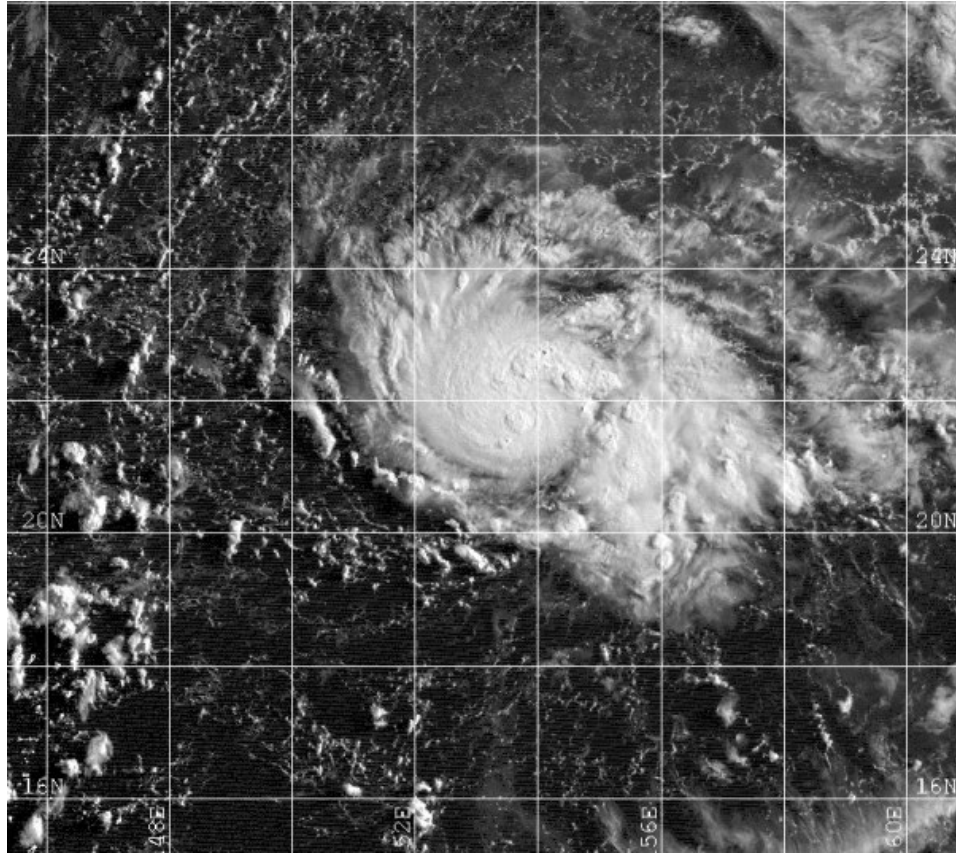


Figure 1-13W-1. 312031Z July 2000 GMS-5 visible image of TY 13W, when the cyclone was located about 750 nm east-northeast of the Mariana Islands.

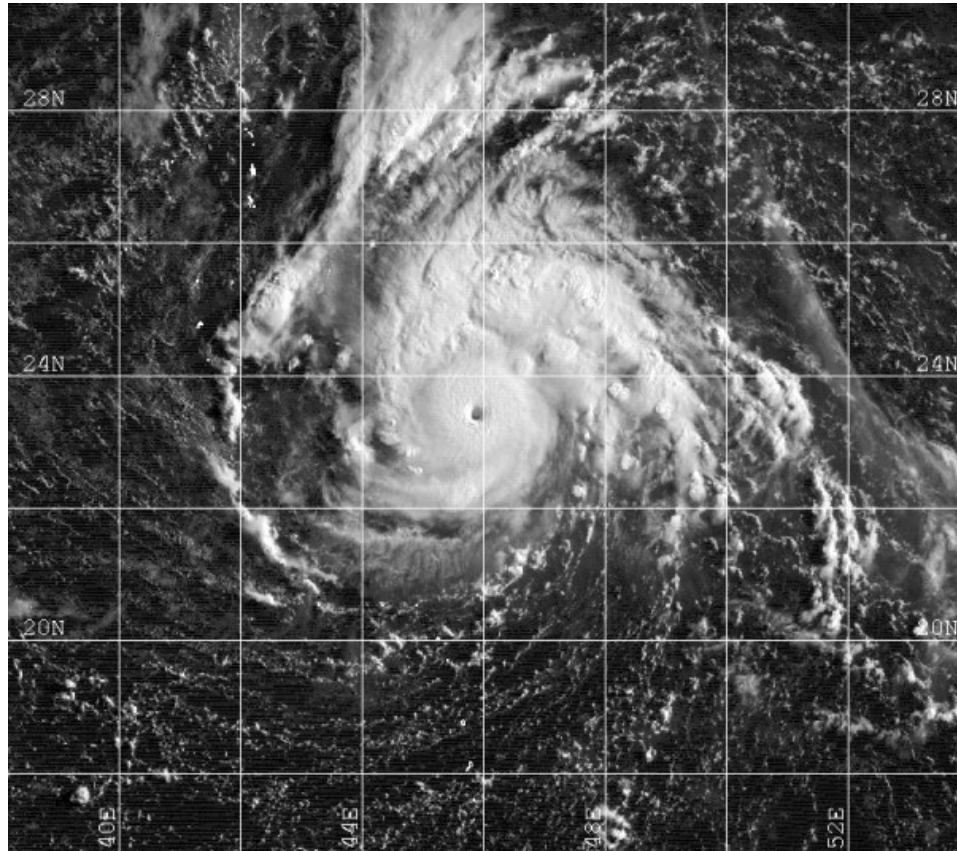


Figure 1-13W-2. 022131Z August 2000 GMS-5 visible image of TY 13W during the period of rapid intensification. At this time, the cyclone is located about 540 nm north of Saipan with a small but well-defined eye.

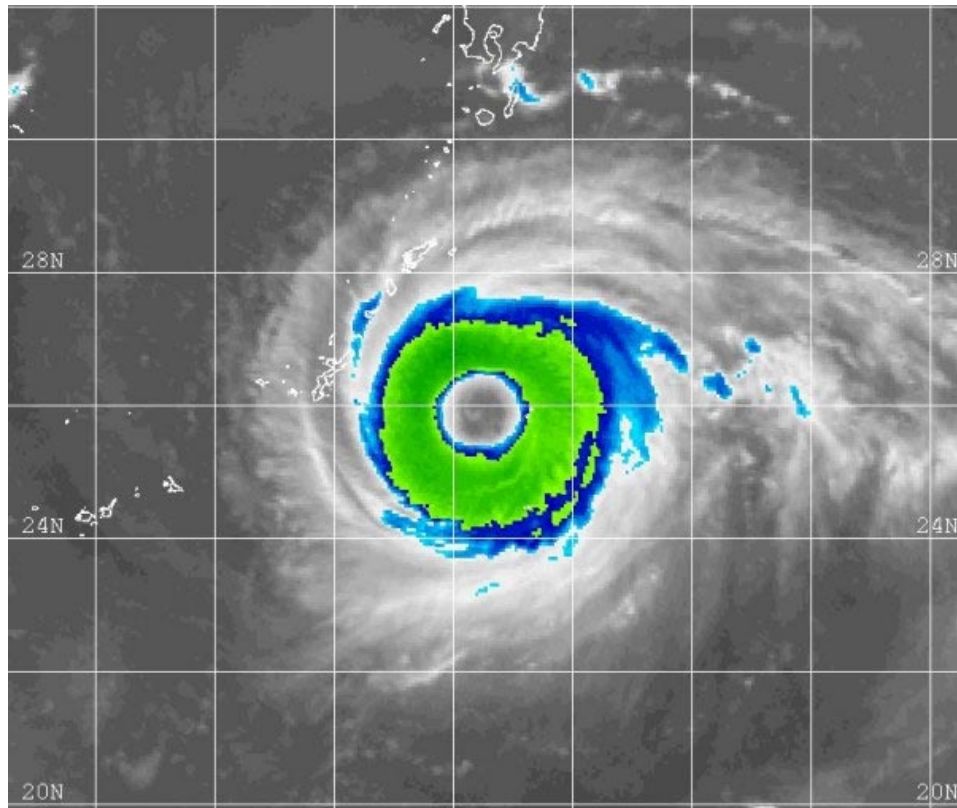


Figure 1-13W-3. 061231Z August 2000 GMS-5 enhanced infrared image of TY 13W after the cyclone completed a complex eyewall replacement cycle. Following the eyewall replacement cycle, the eye expanded to about 90 nm. At this time, the cyclone is located about 120 nm east-southeast of Okinawa.

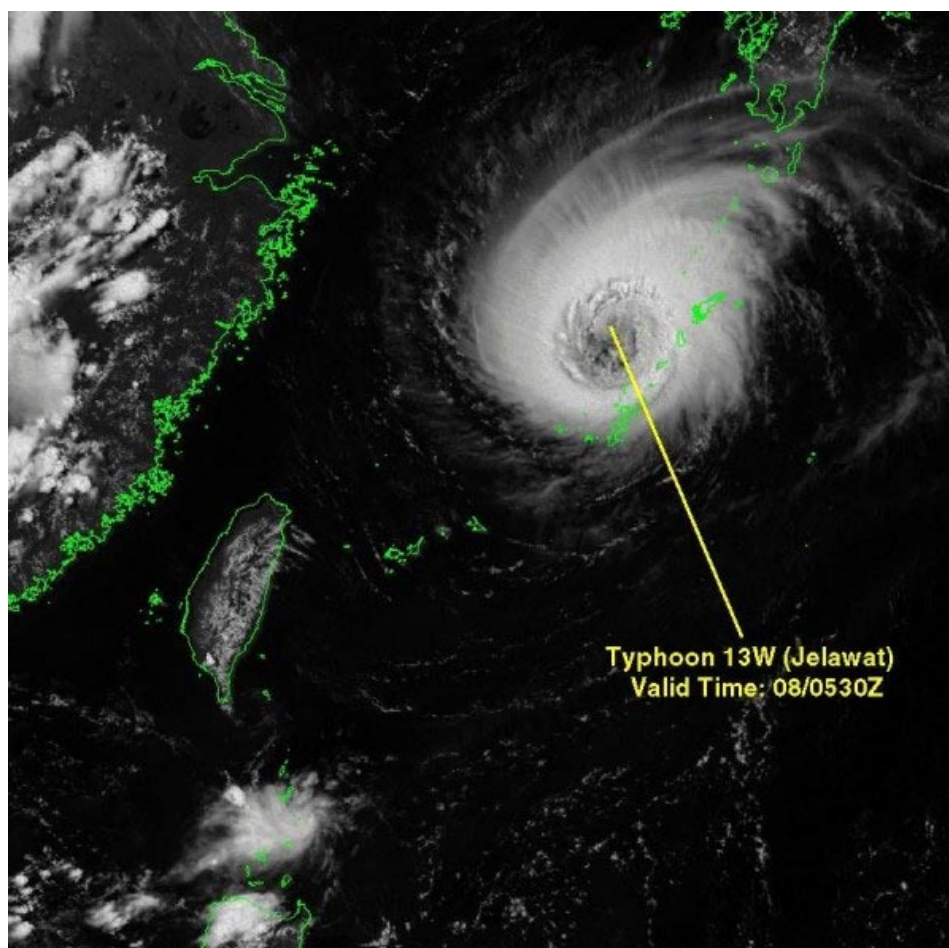


Figure 1-13W-4. 080530Z August 2000 GMS-5 visible image of TY 13W after passage through the Ryukyu Islands.

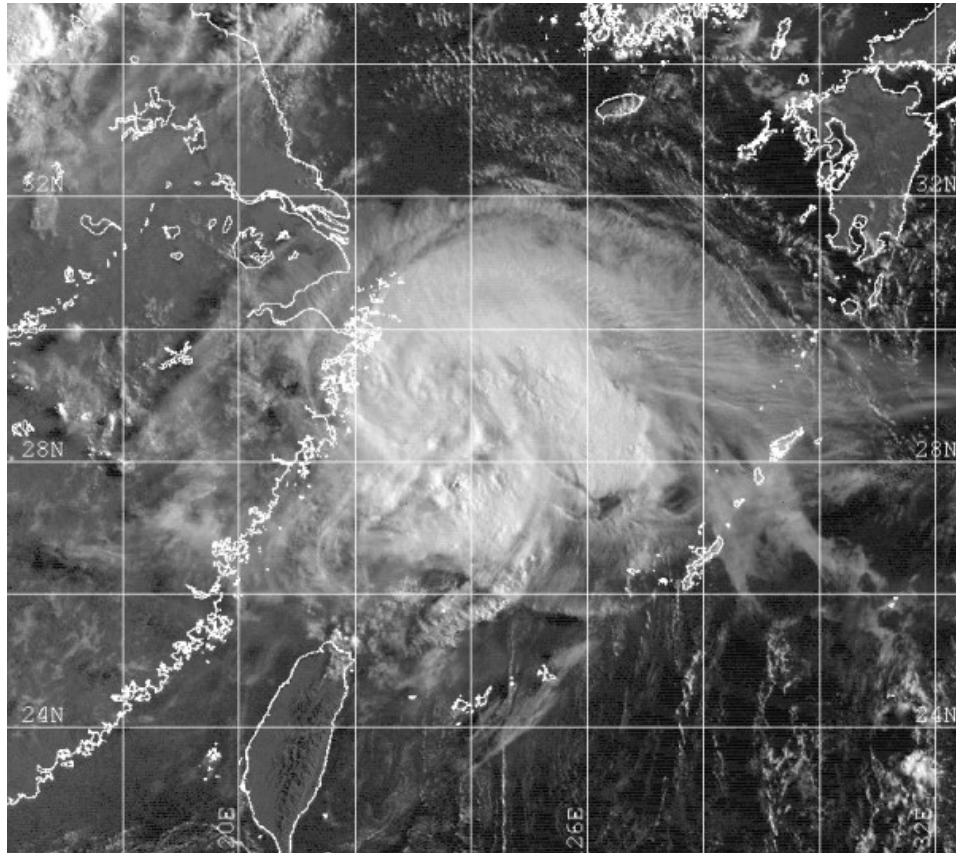


Figure 1-13W-5. 092224Z August 2000 GMS-5 visible image of TY 13W just prior to landfall over Zhejiang province. By this time, the eye of the cyclone is completely obscured and deep convection is limited to the southern periphery.

TYPHOON 13W (JELAWAT)
01 - 11 AUG 2000

